

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/646,493
Source: IFW16
Date Processed by STIC: 4/29/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

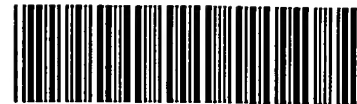
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>10/646,493</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input checked="" type="checkbox"/> Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFW16

RAW SEQUENCE LISTING

DATE: 04/29/2005

PATENT APPLICATION: US/10/646,493

TIME: 13:57:29

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\04292005\J646493.raw

3 <110> APPLICANT: Rose, Eric
 4 Stern, David
 5 Schmidt, Ann Marie
 6 Spanier, Talia
 8 <120> TITLE OF INVENTION: METHOD FOR INHIBITING THROMBOSIS IN A PATIENT WHOSE BLOOD IS
 SUBJECTED TO
 9 EXTRACORPOREAL CIRCULATION
 11 <130> FILE REFERENCE: 50634-BA/JPW/AJM/AAB
 13 <140> CURRENT APPLICATION NUMBER: 10/646,493
 14 <141> CURRENT FILING DATE: 2003-08-21
 16 <150> PRIOR APPLICATION NUMBER: US 09/053,872
 17 <151> PRIOR FILING DATE: 1998-04-01
 19 <150> PRIOR APPLICATION NUMBER: PCT/US97/08282
 20 <151> PRIOR FILING DATE: 1997-05-15
 22 <150> PRIOR APPLICATION NUMBER: US 08/648,561
 23 <151> PRIOR FILING DATE: 1996-05-16
 25 <160> NUMBER OF SEQ ID NOS: 3
 27 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply
 Corrected Diskette Needed

pp 1, 3-5

ERRORED SEQUENCES

29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 29
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Artificial
 34 <220> FEATURE:
 35 <221> NAME/KEY: misc_feature
 36 <222> LOCATION: (14)..(16)
 37 <223> OTHER INFORMATION: nnn is the complement to a DNA codon for any one of the
 standard
 38 amino acids other than serine ← Serine
 40 <220> FEATURE:
 41 <221> NAME/KEY: misc_feature
 42 <222> LOCATION: (1)..(29)
 43 <223> OTHER INFORMATION: primer
 45 <220> FEATURE:
 46 <221> NAME/KEY: misc_feature
 47 <222> LOCATION: (29)..(29)
 48 <223> OTHER INFORMATION: v is c, ca, or caa
 50 <220> FEATURE:
 51 <221> NAME/KEY: misc_feature
 52 <222> LOCATION: (1)..(1)
 53 <223> OTHER INFORMATION: w is a

per sequence rules, "v" can only represent
 a single nucleotide:
 a or c or g

see p. 3

55 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 04/29/2005

PATENT APPLICATION: US/10/646,493

TIME: 13:57:29

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\04292005\J646493.raw

56 <221> NAME/KEY: misc_feature
 57 <222> LOCATION: (1)..(1)
 58 <223> OTHER INFORMATION: w is t, gt, or agt
 60 <400> SEQUENCE: 1
 E--> 61 wacagttcct ctannncccc ctgggggtav 29
 62 29
 65 <210> SEQ ID NO: 2
 66 <211> LENGTH: 29
 67 <212> TYPE: DNA
 68 <213> ORGANISM: Artificial
 70 <220> FEATURE:
 71 <221> NAME/KEY: misc_feature
 72 <222> LOCATION: (14)..(16)
 73 <223> OTHER INFORMATION: nnn is the complement to a DNA codon for any one of the
 standard
 74 amino acids other than aspartic acid and cysteine
 76 <220> FEATURE:
 77 <221> NAME/KEY: misc_feature
 78 <222> LOCATION: (1)..(29)
 79 <223> OTHER INFORMATION: primer
 81 <220> FEATURE:
 82 <221> NAME/KEY: misc_feature
 83 <222> LOCATION: (29)..(29)
 84 <223> OTHER INFORMATION: v is c, ct, ctt
 86 <220> FEATURE:
 87 <221> NAME/KEY: misc_feature
 88 <222> LOCATION: (1)..(1)
 89 <223> OTHER INFORMATION: w is a, ta, or tta
 91 <400> SEQUENCE: 2
 E--> 92 wtccatgtta gtannntaac gcgaagacv 29
 93 29
 96 <210> SEQ ID NO: 3
 97 <211> LENGTH: 35
 98 <212> TYPE: DNA
 99 <213> ORGANISM: Artificial
 101 <220> FEATURE:
 102 <221> NAME/KEY: misc_feature
 103 <222> LOCATION: (17)..(19)
 104 <223> OTHER INFORMATION: nnn is the complement to a DNA codon for any one of the
 standard
 105 amino acids other than histidine and cysteine.
 107 <220> FEATURE:
 108 <221> NAME/KEY: misc_feature
 109 <222> LOCATION: (1)..(35)
 110 <223> OTHER INFORMATION: Primer
 112 <220> FEATURE:
 113 <221> NAME/KEY: misc_feature
 114 <222> LOCATION: (35)..(35)
 115 <223> OTHER INFORMATION: v is c, cc, or cca
 117 <220> FEATURE:
 118 <221> NAME/KEY: misc_feature

Per sequence rules, 'w' can only represent a or t/u
(see item 1 on Error summary sheet)

"v" can only represent a or c or g
"w" can only represent a or t/u
(see item 1 on Error summary sheet)

see above for valid representation of "v"

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/646,493

DATE: 04/29/2005

TIME: 13:57:29

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\04292005\J646493.raw

119 <222> LOCATION: (1)..(1)
120 <223> OTHER INFORMATION: w is a, ta, or tta
122 <220> FEATURE:
123 <221> NAME/KEY: misc_feature
124 <222> LOCATION: (1)..(1)
125 <223> OTHER INFORMATION: w is a, aa, or taa
127 <400> SEQUENCE: 3
E--> 128 wttacattga cgacgggna cacaactttg accav
129 35

(see p. 3 for valid
representation of 'w')

35 (see item 1 on Euro
summary
sheet)

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/646,493

DATE: 04/29/2005
TIME: 13:57:30

Input Set : A:\PTO.YF.txt
Output Set: N:\CRF4\04292005\J646493.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 8

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3

VERIFICATION SUMMARY

DATE: 04/29/2005

PATENT APPLICATION: US/10/646,493

TIME: 13:57:30

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\04292005\J646493.raw

L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:61 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:29 SEQ:1
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:92 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:29 SEQ:2
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:128 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:35 SEQ:3